



Greenhouse Gas Inventory

Saint Paul - 2015, Global
Protocol for Community
Scale Inventory Compliant

Compact of Mayors



Phase 1



Phase 2



Phase 3



Phase 4

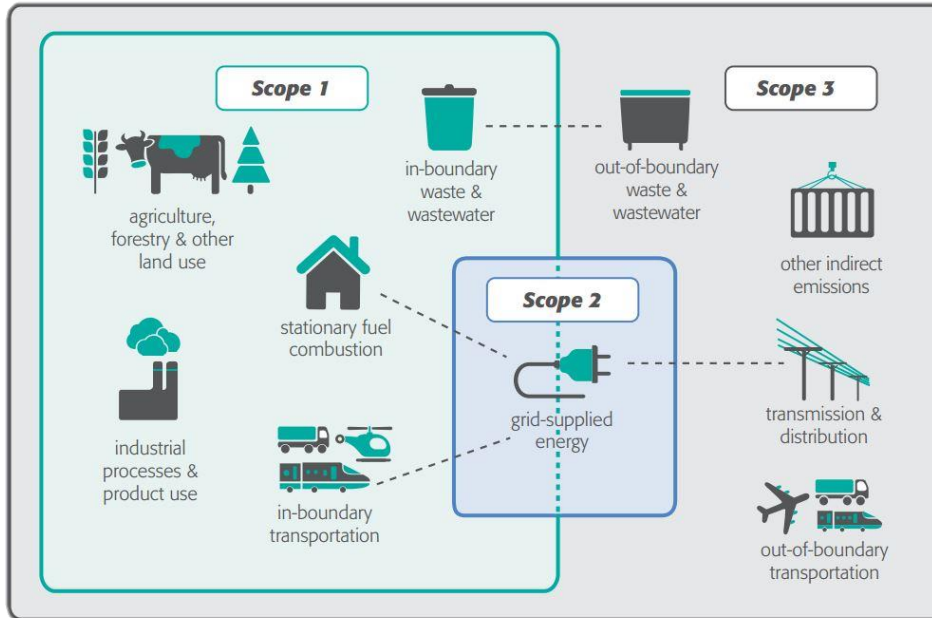
2017



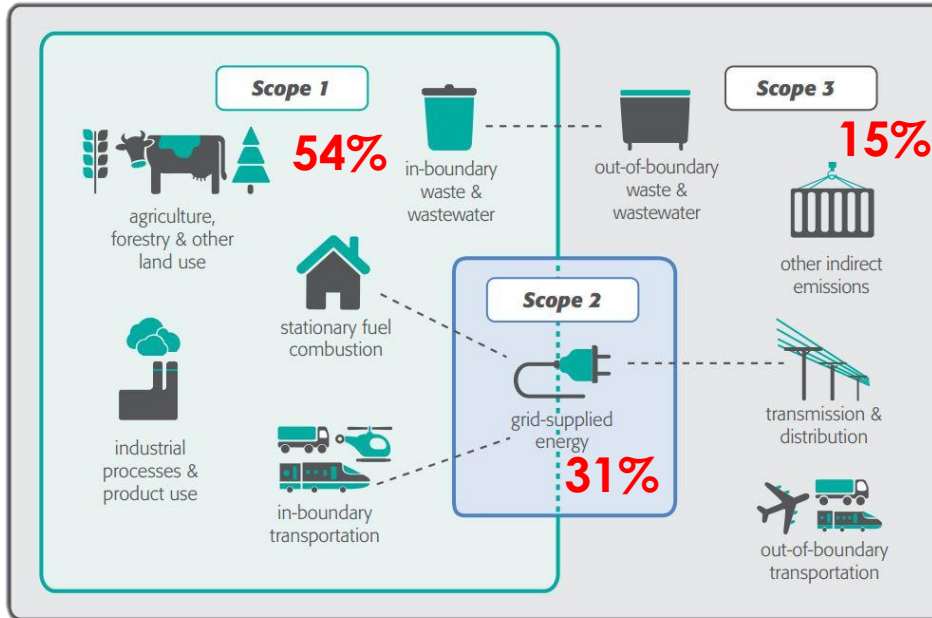
Compliant

633 cities, representing **492,134,481** people
worldwide and **6.79%** of the total global population, have
committed to the Compact of Mayors.

Counting Emissions

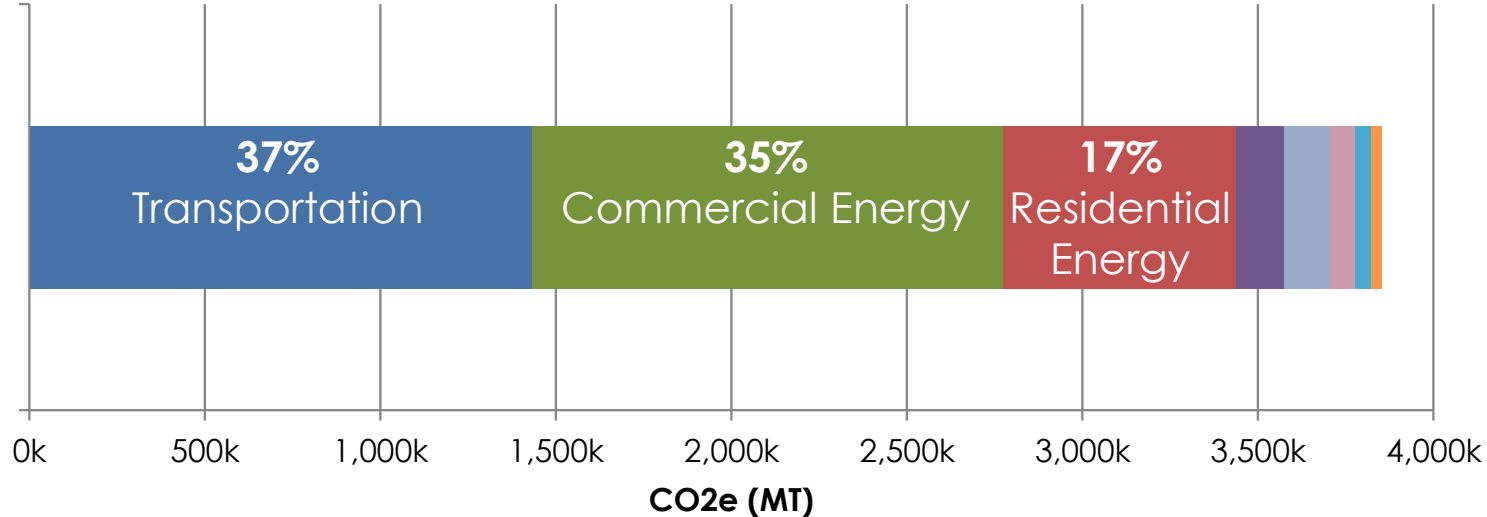


3.9 million metric tons CO₂e



*Emissions from energy plants are optional: additional 800,000 metric tons

Emissions by sector for all scopes



Transportation Takeaways



- On road transportation makes up 27% of the city's emissions.
- People drive over 2 billion miles a year in Saint Paul, or about 5.5 million miles a day.

Potential Strategies

- Electrification of vehicles
- Develop alternate modes of transit
- Encourage telecommuting



Building Takeaways



- Energy for buildings = 52% of the city's emissions
- ~70% of those emissions are from commercial users

Potential Strategies

- Advance energy efficiency in large buildings
- Develop renewable energy
- Reduce the energy burden of residents
- Build net-zero buildings



Goal: Carbon Neutral by 2050!

Foundation for Success



476 efficiency projects
since 2009: \$1.3 million in
savings, \$1.1 million in
rebates



27 miles of new bike
infrastructure since 2015



Supported the
conversion of Xcel's
coal-burning power
plant to a natural gas
plant, reducing emissions
by 415,000 metric tons

Foundation for Success



Declared a Solar America City, secured \$2.6 million in funding to install solar arrays



Partnered to make over 200 no interest loans to homeowners to make energy saving home improvements



Created a climate resiliency framework with funds from the MN Pollution Control Agency

Support From



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration



CENTER FOR SUSTAINABLE BUILDING RESEARCH



Questions?

- Write them down on the post it notes at the tables.

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